

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended) A compressed~~Compressed~~ mode configuration method in a mobile radio system, said method comprising:

choosing a compressed mode configuration from a set of reference compressed mode configurations, thea compressed mode configuration being defined by compressed mode parameters,~~said compressed mode parameters~~ including a transmission gap length TGL and a transmission gap pattern length TGPL,

whereinsaid transmission gaps arebeing defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and being-determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected effected in the first system, and

said compressed mode parameters being-are determined so that, for each reference configuration, one of:

if the transmission gap pattern length TGPL is a multiple of 6~~such that the transmission gaps occur periodically at fixed positions in said second structure, then, the transmission gap length TGL is equal to 14, andmade sufficiently large so that two transmission gaps to occur at two of said positions, the closest together, overlap, with an overlap length greater than the time necessary to effect a measurement~~  
if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.

2-9. (canceled)

10. (currently amended) A network~~Network~~ equipment for a mobile radio system, the network equipment comprising:

means for choosing a compressed mode configuration from a set of reference configurations, ~~the~~ compressed mode configuration being defined by compressed mode parameters; ~~said compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL,~~

~~wherein said transmission gaps are being defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and being determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be effected~~ affected ~~in the first system, and~~

~~the compressed mode parameters of each reference configuration are determined being so that, one of:~~

~~if the transmission gap pattern length TGPL is a multiple of 6, such that the transmission gaps occur periodically at fixed positions in said second structure, then the transmission gap length TGL is equal to 14, and made sufficiently large so that two transmission gaps to occur at two of said positions, the closest together, overlap, with an overlap length greater than the time necessary to effect a measurement~~

~~if the transmission gap pattern length TGPL is not a multiple of 6, a transmission gap pattern comprises a plurality of transmission gaps.~~

11-19. (canceled)

20. (currently amended) ~~The method~~Method according to claim 1, comprising signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

21. (currently amended) ~~The network~~Network equipment according to claim 10, comprising means for signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

22. (new): A compressed mode configuration method in a mobile radio system, the method comprising:

choosing a compressed mode configuration from a set of reference compressed mode configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL,

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

23. (new): The method according to claim 22, comprising signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.

24. (new): A network equipment for a mobile radio system, the network equipment comprising:

means for choosing a compressed mode configuration from a set of reference configurations, the compressed mode configuration being defined by compressed mode parameters including a transmission gap length TGL and a transmission gap pattern length TGPL,

wherein transmission gaps are defined in a first transmission time structure specific to a first system corresponding to Universal Mobile Telecommunications System (UMTS) and determined relative to a second transmission time structure specific to a second system corresponding to Global System for Mobile communications (GSM), to enable measurements on the second system to be affected in the first system, and

the compressed mode parameters are determined so that, for at least one reference configuration, the transmission gap pattern length TGPL is equal to 13 and the transmission gap length TGL is equal to 10.

25. (new): The network equipment according to claim 24, comprising means for signaling to a mobile terminal the compressed mode parameters corresponding to the chosen compressed mode configuration.